

# Preparation and Planting for Cotton

PREPARATION

PLANTING

FOLIAR

POST HARVEST

In the last ten years the use of nutritional liquid injection has been steadily increasing in the Australian cotton industry. The question of course is why? What benefits does liquid injection of fertilisers offer?

## The BioNutrient Solutions liquid injection range offers:

- ✓ Improved efficiency in nutrient application,
- ✓ Increased flexibility to target crop nutritional requirements,
- ✓ Reduced potential for fertiliser burn and
- ✓ Easy accurate application with the BNSEasyflo®.

## Why go liquids?

The use of liquid injection for nutritional application provides improved efficiency and increased flexibility.

### Improved efficiency:

- Liquids are applied in a constant stream the length of the planting row resulting in a more uniform nutritional zone.
- Liquids do not require soil moisture to dissolve into a plant available form.

### Increased flexibility:

- Liquids enable growers to adjust nutrient blends to suit field, crop or soil requirements.
- Liquids allow for greater control at low rates.

## Why Choose BioNutrient Solutions?

Ignition® has been specifically developed for summer crops.

When using BioNutrient Solutions liquid injection products the seed can be placed directly into the nutrient rich zone without the risk of damage.

Products such as Ignition are buffered with Carbon compounds to minimise potential burn on sensitive seedlings.

Bonding Carbon to very reactive nutrients like Phosphorus reduces losses to fixation

on alkaline clays, to increase Phosphorus recovery by plants.

## Tools for Liquid Injection

BNSEasyflo will deliver an accurate distribution of any liquid into the seed furrow across the entire width of the planter.

- The BNSEasyflo is simple, quick and easy to mount on any planter.
- Rate or volume changes can easily be achieved by adjusting pressure to the distributor head or by changing the distributor head nozzle.
- Other basic equipment requirements include;  
On farm liquid storage tanks,  
Tractor or planter mounted tanks,  
Hydro pump, flow rate controller and delivery tubes.

## Soil Tests

Soil testing is the first step in developing a seasonal nutritional program. Soil tests provide insight into soil nutrient availability, enabling well informed starter fertiliser decisions.



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### Ignition

Ignition is a complete liquid injection product designed to promote root growth and support early crop development. It is formulated specifically to maximise nutrient availability, seedling establishment and Phosphorus recovery, while minimising any potential seedling burn.

Ignition is a non alkaline combination of Nitrogen and Phosphorus which will minimise ammonia toxicity and address sustained nutrient availability in alkaline soils.

### Soil Tests

Soil testing will ascertain nutrient availability for the season ahead. Soil test kits are available from BioNutrient Solutions or your local resellers

### BNSEasyflo Liquid Injection Distribution Kit

The BNSEasyflo has been specifically designed to apply liquid products such as the BioNutrient Solutions liquid injection fertilisers and inoculants. BNSEasyflo is compatible with the majority of planting equipment in use today.

### CalPac®

CalPac is a specific formulation of soluble Calcium designed to be used in combination with products such as Ignition to reduce the impact of Sodium and soil salts on nutrient uptake and emergence. CalPac will improve the disease resistance of establishing seedlings.

### Performance

I changed to the BNSEasyflo 3 or 4 years ago. It is accurate and very simple to use, and with only one moving part, maintenance and clean down are easy too. The decision to purchase a BNSEasyflo was a practical, cost effective business decision which gives me confidence in the accuracy of my liquid injection applications.

Anthony Smith (Contractor Goondiwindi)



Use only what you need *when you need.*

For more information contact your BioNutrient Solutions reseller.

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